

ABSTRACT

A new process is provided which is an extension and improvement of present processing for the creation of a solder bump. After the layers of Under Bump Metal and a layer of solder metal have been created in patterned and etched format and overlying the contact pad, following a conventional processing sequence, a layer of polyimide is deposited. The solder flow is performed using the thickness of the deposited layer of polyimide to control the height of the column underneath the reflowed solder.